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AMENDMENTS TO THE CLAIMS

- 1. 6. (Canceled)
- 7. (New) An isolated alkaline protease having an amino acid sequence which is at least 90% homologous to an amino acid sequence selected from the group consisting of SEQ ID NO: 1 and SEQ ID NO: 2, wherein said isolated alkaline protease has alkaline protease activity.
- 8. (New) The alkaline protease of claim 7, which has an amino acid sequence that is at least 90% homologous to the amino acid sequence of SEQ ID NO: 1.
 - 9. (New) An isolated nucleic acid encoding the alkaline protease of claim 8.
- 10. (New) A microorganism which is transformed with the nucleic acid of claim 9 and produces the alkaline protease.
 - 11. (New) The microorganism of claim 10, which is a bacteria.
 - 12. (New) The microorganism of claim 10, which is a yeast.
 - 13. (New) The microorganism of claim 10, which is a fungus.
 - 14. (New) The microorganism of claim 10, which is gram-positive.
 - 15. (New) The microorganism of claim 10, which is gram-negative.
 - 16. (New) The microorganism of claim 10, which is Eschericia coli.
 - 17. (New) The microorganism of claim 10, which belongs to the genus Bacillus.
- 18. (New) The microorganism of claim 10, which belongs to the genus Saccharomyces.
 - 19. (New) The microorganism of claim 10, which belongs to the genus Aspergillus.
- 20. (New) The microrganism of claim 10, which is selected from the group consisting of (1) Bacillus sp. KSM-KP 43, deposited under the accession number FERM BP-6532, (2)

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Bacillus sp. KSM-KP 1790, deposited under the accession number FERM BP-6533, and (3) Bacillus sp. KSM KP-9860, deposited under the accession number FERM BP-6534.

- 21. (New) A method of producing the microorganism of claim 10, comprising transforming a microorganism with the nucleic acid.
- 22. (New) A method of producing the alkaline protease of claim 8, comprising culturing a microorganism which produces the alkaline protease in a culture medium and then isolating the alkaline protease from the culture medium.
 - 23. (New) A detergent composition comprising the alkaline protease of claim 8.
- 24. (New) The detergent composition of claim 23, which contains 0.1 to 5000 U of the alkaline protease per kg of the composition.
 - 25. (New) The detergent composition of claim 24, which comprises a surfactant.
- 26. (New) The detergent composition of claim 24, which comprises 0.5 to 60 wt. % of the detergent.
- 27. (New) The detergent composition of claim 24, which contains at least one enzyme other than the alkaline protease.
- 28. (New) The alkaline protease of claim 7, which has an amino acid sequence that is at least 90% homologous to the amino acid sequence of SEQ ID NO: 2.
 - 29. (New) An isolated nucleic acid encoding the alkaline protease of claim 28.
- 30. (New) A microorganism which is transformed with the nucleic acid of claim 28 and produces the alkaline protease.
 - 31. (New) The microorganism of claim 30, which is a bacteria.
 - 32. (New) The microorganism of claim 30, which is a yeast.
 - 33. (New) The microorganism of claim 30, which is a fungus.
 - 34. (New) The microorganism of claim 30, which is gram-positive.
 - 35. (New) The microorganism of claim 30, which is gram-negative.

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- 36. (New) The microorganism of claim 30, which is Eschericia coli.
- 37. (New) The microorganism of claim 30, which belongs to the genus Bacillus.
- 38. (New) The microorganism of claim 30, which belongs to the genus Saccharomyces.
 - 39. (New) The microorganism of claim 30, which belongs to the genus Aspergillus.
- 40. (New) The microrganism of claim 30, which is selected from the group consisting of (1) Bacillus sp. KSM-KP 43, deposited under the accession number FERM BP-6532, (2) Bacillus sp. KSM-KP 1790, deposited under the accession number FERM BP-6533, and (3) Bacillus sp. KSM KP-9860, deposited under the accession number FERM BP-6534.
- 41. (New) A method of producing the microorganism of claim 30, comprising transforming a microorganism with the nucleic acid.
- 42. (New) A method of producing the alkaline protease of claim 28, comprising culturing a microorganism which produces the alkaline protease in a culture medium and then isolating the alkaline protease from the culture medium.
 - 43. (New) A detergent composition comprising the alkaline protease of claim 28.
- 44. (New) The detergent composition of claim 43, which contains 0.1 to 5000 U of the alkaline protease per kg of the composition.
 - 45. (New) The detergent composition of claim 44, which comprises a surfactant.
- 46. (New) The detergent composition of claim 44, which comprises 0.5 to 60 wt. % of the detergent.
- 47. (New) The detergent composition of claim 44, which contains at least one enzyme other than the alkaline protease.
- 48. (New) The alkaline protease of claim 7, wherein said alkaline protease has the following physicochemical properties:
 - (i) Acting pH range

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acting over a wide pH range of 4-13 and exhibiting, at a pH of 6-12, 80% or more of the activity at the optimum pH;

- (ii) Stable pH range being stable over a pH range of 6-11 when treated at 40°C for 30 minutes;
- (iii) Isoelectric point

 having an isoelectric point of approximately 8.9-9.1; and
- (iv) Effect of a fatty acid casein-degrading activity not being inhibited by oleic acid.

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SUPPORT FOR THE AMENDMENTS

Claims 1-6 have been canceled.

Claims 7-48 have been added.

Support for new Claims 7-48 can be found in the Claims 1-6 as originally filed, as well as the specification at pages 2-45.

The specification has been amended at pages 3-4 to clarify the sequence identifiers.

No new matter has been added by the present amendment.